

## FortiGate® 100D Series

Integrated Security for Small and Medium Enterprises



In order to comply with legislation and secure the valuable data traversing networks, small and medium enterprises and remote branch offices need a security solution that integrates multiple attack recognition technologies into a single device. With limited budgets and modest remote resources, these smaller networks desire a cost effective solution that is simple to install, connect and maintain. Just as importantly, networks are ever-expanding and need a solution that leaves them with room to grow over time.

The FortiGate 100D series is an ideal security solution for small and medium enterprises or remote branch offices of larger networks. It combines firewall, IPsec and SS-VPN, application control, intrusion prevention, anti-malware, antispam, P2P security, and web filtering into a single device.

### Simple, Powerful, Secure

The FortiGate 100D series installs in minutes, automatically downloading regular updates to protect against the latest viruses, network vulnerabilities, worms, spam and phishing attacks, and malicious websites with no administrator intervention. Leveraging patented FortiASIC acceleration, the FortiGate 100D series offers market-leading performance, with high port density that facilitate network growth and expansion. Onboard storage provides local archiving of data for policy compliance and/or WAN Optimization. The WAN Optimization functionality increases network performance by reducing the amount of communication and data transmitted between applications and servers across a WAN, and/or web caching.

### Key Features & Benefits

Consolidated Security Architecture	Better protection and lower cost of ownership than multiple point security products.
Single Pane of Glass Management	Reduces complexity and decreases costs as all security functions can be managed through one console.
High Port Density	Up to 42x GE ports facilitate flexible deployment of network segments and promotes network expansion and high availability configurations.
Power over Ethernet	Seamless integration of peripheral devices in a secure environment.

### Meeting the Needs of Small and Medium Enterprises and Branch Offices

- High port density delivers maximum flexibility and scalability
- Application control coupled with identity-based policy enforcement provides complete content protection
- Strong authentication options for policy compliance

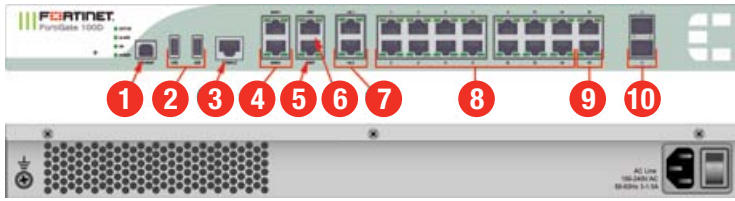


**FortiCare**  
Worldwide 24x7 Support  
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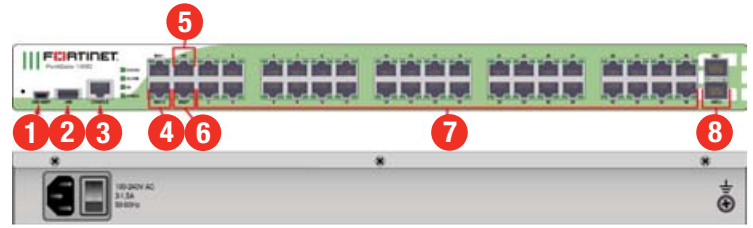
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# HARDWARE



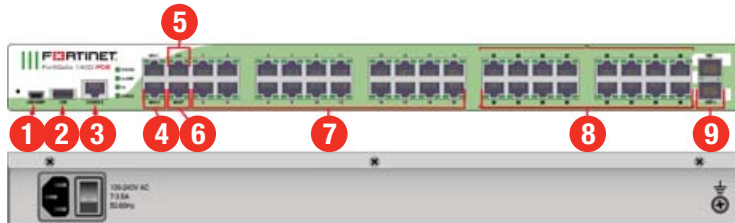
## FortiGate 100D

1. USB Management Port
2. 2x USB Ports
3. Console Port
4. 2x GE RJ45 WAN Ports
5. 1x GE RJ45 Management Port
6. 1x GE RJ45 DMZ Port
7. 2x GE RJ45 HA Ports
8. 14x GE RJ45 Switch Ports
9. 2x GE RJ45 Shared Ports
10. 2x GE SFP Shared Ports



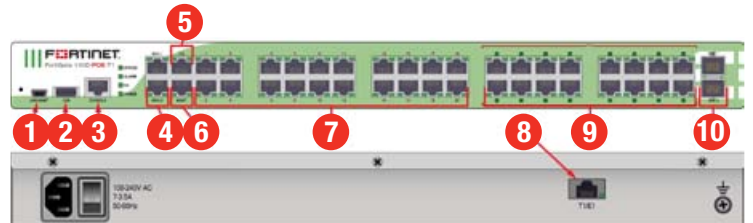
## FortiGate 140D

1. USB Management Port
2. USB Port
3. Console Port
4. x GE RJ45 WAN Ports
5. 1x GE RJ45 HA Port
6. 1x GE RJ45 Management Port
7. 36x GE RJ45 Switch Ports
8. 2x GE SFP DMZ Ports



## FortiGate 140D-POE

1. USB Management Port
2. USB Port
3. Console Port
4. 2x GE RJ45 WAN Ports
5. 1x GE RJ45 HA Port
6. 1x GE RJ45 Management Port
7. 20x GE RJ45 Switch Ports
8. 16x GE RJ45 PoE Ports
9. 2x GE SFP DMZ Ports



## FortiGate 140D-POE-T1

1. USB Management Port
2. USB Port
3. Console Port
4. 2x GE RJ45 WAN Ports
5. 1x GE RJ45 HA Port
6. 1x GE RJ45 Management Port
7. 20x GE RJ45 Switch Ports
8. 1x T1 Port
9. 16x GE RJ45 PoE Ports
10. 2x GE SFP DMZ Ports



Powered by  
FortiASIC CP8

- Providing high-speed cryptography for encryption and decryption
- Accelerates signature-based content inspection services such as AV and IPS

## Content Processor

The FortiASIC CP8 content processor works outside of the direct flow of traffic, off-loading critical CPU resources.

## Install in Minutes with FortiExplorer

The FortiExplorer™ wizard enables you to easily and quickly set up and configure FortiGate platforms with easy-to-follow instructions. The application runs on Windows, Mac OS X desktops and laptops as well as popular mobile devices. Simply connect to the appropriate USB port on the appliance, and be fully protected in minutes.

## Power up with PoE Interfaces

The FortiGate 140D-POE and FortiGate 140D-POE-T1 include PoE interfaces that allow you to plug in compatible wireless access points and IP phones out of the box, providing ease of deployment and lower TCO.

# HIGHLIGHTS

## FortiOS — The World's Most Advanced Security Operating System

### • Feature Select

Instantly fine-tunes the FortiGate based on desired deployment needs using feature presets. Simplifies user administration and configurations while providing flexibility for different deployment modes.

### • Contextual Visibility

Presents critical deep insights into historic or real-time network activities with data on threat details, IPs, users, devices, applications and more. Allows administrators to quickly understand threats and stop them.

### • Advanced Security

Multiple advanced technologies can be coordinated to look for and stop today's blended, targeted or unknown attacks. Efficient packet handling improves performance while lowering latencies and reducing network complexities.

*For complete, up-to-date and detailed feature set, please refer to the Administration Handbook and FortiOS Datasheet*

## Industry Validation

The FortiGate family of physical and virtual appliances has earned more certifications than any other vendor by consistently meeting rigorous third-party standards. Our industry-leading technology provides you with air-tight security which you can safely count on.

## More Protection and Better ROI

The FortiGate constantly evolves itself in its mission to provide more value for users. Extended features such as WiFi and L2 switch controller, integrated token server, endpoint control and WAN optimization add more security to organizations without incurring additional cost.

## Complete and Real-time Security

Fortinet FortiGuard Subscription Services provide automated, real-time, up-to-date protection against the latest security threats. Our threat research labs are located worldwide, providing 24x7 updates when you most need it.

## World-Class Technical Support and Documentation

Fortinet FortiCare support offerings provide comprehensive global support for all Fortinet products and services. You can rest assured your Fortinet security products are performing optimally and protecting your users, applications, and data around the clock.



FortiOS Dashboard — Single Pane of Glass Management

## ORDER INFORMATION

Product	SKU	Description
FortiGate 100D	FG-100D	20x GE RJ45 ports (including 1x DMZ port, 1x Mgmt port, 2x HA ports, 16x internal switch ports), 2x shared media pairs (including 2x GE RJ45, 2x GE SFP slots), 32 GB onboard storage. Max managed FortiAPs (Total / Tunnel) 64 / 32.
FortiGate 140D	FG-140D	40x GE RJ45 (including 36x switch ports, 2x MGMT/HA ports, 2x WAN ports), 2x GE SFP DMZ slots, 32 GB onboard storage. Max managed FortiAPs (Total / Tunnel) 64 / 32.
FortiGate 140D-POE	FG-140D-POE	40x GE RJ45 (including 16x PoE ports, 20x switch ports, 2x MGMT/HA ports, 2x WAN ports), 2x GE SFP DMZ slots, 32 GB onboard storage. Max managed FortiAPs (Total / Tunnel) 64 / 32.
FortiGate 140D-POE-T1	FG-140D-POE-T1	40x GE RJ45 (including 16x PoE ports, 20x switch ports, 2x MGMT/HA ports, 2x WAN ports), 2x GE SFP DMZ slots, 1x T1 port, 32 GB onboard storage (US Only). Max managed FortiAPs (Total / Tunnel) 64 / 32.

# SPECIFICATIONS

	FORTIGATE 100D	FORTIGATE 140D	FORTIGATE 140D-POE	FORTIGATE 140D-POE-T1
<b>Hardware Specifications</b>				
GE RJ45 Ports	20	40	24	24
GE RJ45 PoE Ports	—	—	16	16
GE SFP or RJ45 Shared Ports	2	—	—	—
GE SFP Ports	—	2	2	2
USB Ports (Client / Server)	1 / 2	1 / 1	1 / 1	1 / 1
T1 Port	—	—	—	1
Console Port			1	
Internal Storage			32 GB	
Included Transceivers	NA	0	0	0
<b>System Performance</b>				
Firewall Throughput (1518 / 512 / 64 byte UDP packets)		2,500 / 1,000 / 200 Mbps		
Firewall Latency (64 byte UDP packets)	37 µs	46 µs	46 µs	46 µs
Firewall Throughput (Packets Per Second)		300 Kpps		
Concurrent Sessions (TCP)		3 Million		
New Sessions/Sec (TCP)		22,000		
Firewall Policies		10,000		
IPsec VPN Throughput (512 byte packets)		450 Mbps		
Gateway-to-Gateway IPsec VPN Tunnels		2,000		
Client-to-Gateway IPsec VPN Tunnels		5,000		
SSL-VPN Throughput		300 Mbps		
Concurrent SSL-VPN Users (Recommended Maximum)		300		
IPS Throughput		950 Mbps		
Antivirus Throughput (Proxy Based / Flow Based)		300 / 650 Mbps		
CAPWAP Clear-text Throughput (HTTP)		1.50 Gbps		
Virtual Domains (Default / Maximum)		10 / 10		
Maximum Number of FortiAPs (Total / Tunnel Mode)		64 / 32		
Maximum Number of FortiTokens		1,000		
Maximum Number of Registered FortiClients		600		
High Availability Configurations		Active / Active, Active / Passive, Clustering		
<b>Dimensions</b>				
Height x Width x Length (inches)	1.75 x 17.01 x 11.73	1.75 x 17.01 x 12.28	1.75 x 17.01 x 12.28	1.75 x 17.01 x 12.28
Height x Width x Length (mm)	44 x 432 x 298	44 x 432 x 312	44 x 432 x 312	44 x 432 x 312
Form Factor		Rack Mount, 1 RU		
Weight	9.5 lbs (4.3 kg)	11.5 lbs (5.2 kg)	11.5 lbs (5.2 kg)	11.5 lbs (5.2 kg)
<b>Environment</b>				
Power Required		100–240 VAC, 50–60 Hz		
Maximum Current	110 V / 3 A, 220 V / 1.5 A	110 V / 2 A, 220 V / 1 A	110 V / 4 A, 220 V / 2 A	110 V / 4 A, 220 V / 2 A
Total Available PoE Power Budget	—	—	270 W	270 W
Power Consumption (Average / Mamimum)	52.6 W / 63.1 W	44.8 W / 58.7 W	193.4 W / 337.1 W	193.4 W / 337.1 W
Heat Dissipation	215.3 BTU/h	200.3 BTU/h	1150.2 BTU/h	1150.2 BTU/h
Operating Temperature		32–104°F (0–40°C)		
Storage Temperature		-31–158°F (-35–70°C)		
Operating Altitude		Up to 7,400 ft (2,250 m)		
Humidity		20–90% non-condensing		
<b>Compliance</b>				
		FCC Part 15 Class A, C-Tick, VCCI, CE, UL/cUL, CB		
<b>Certifications</b>				
		ICSA Labs: Firewall, IPsec, IPS, Antivirus, SSL-VPN		

Note: All performance values are "up to" and vary depending on system configuration. Antivirus performance is measured using 44 Kbyte HTTP files. IPS performance is measured using 1 Mbyte HTTP files. IPsec VPN performance is based on 512 byte UDP packets using AES-256+SHA1. For complete, up-to-date and detailed feature set, please refer to the Administration Handbook and FortiOS Datasheet.

	GLOBAL HEADQUARTERS	EMEA SALES OFFICE	APAC SALES OFFICE	LATIN AMERICA SALES OFFICE
<b>FORTINET®</b>	Fortinet Inc. 899 Kifer Road Sunnyvale, CA 94086 United States Tel: +1.408.235.7700 Fax: +1.408.235.7737	120 rue Albert Caquot 06560, Sophia Antipolis, France Tel: +33.4.8987.0510 Fax: +33.4.8987.0501	300 Beach Road #20-01 The Concourse Singapore 199555 Tel: +65.6513.3730 Fax: +65.6223.6784	Prol. Paseo de la Reforma 115 Int. 702 Col. Lomas de Santa Fe, C.P. 01219 Del. Alvaro Obregón México D.F. Tel: 011-52-(55) 5524-8480

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